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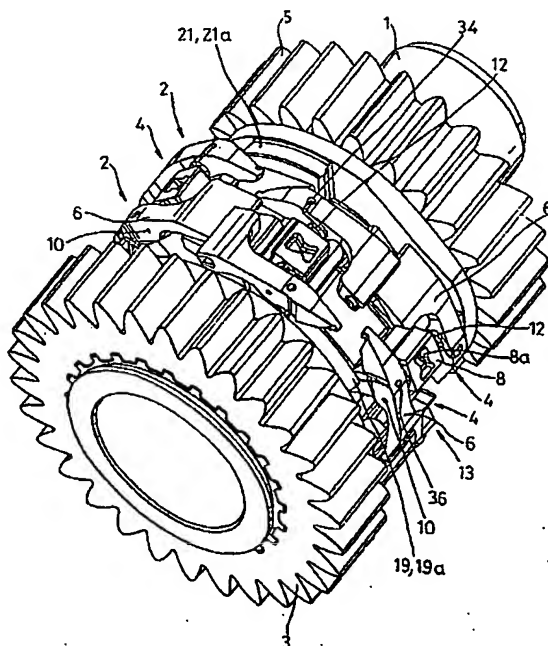
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(54) Title: COUPLING DEVICE FOR COUPLING ROTATABLE BODIES AND TRANSMISSION SYSTEM INCLUDING A
COUPLING DEVICE



(57) Abstract: A coupling device including first
and second rotatable bodies (1, 3), a plurality of
engagement members (27, 28) for selectively coupling
the first and second rotatable bodies together to
transfer drive between the rotatable bodies, and
a guard device (2) for preventing the engagement
members from coupling the rotatable bodies in
certain predetermined operational conditions that
include certain relative rotational positions of the
rotatable bodies. The coupling device can be used
in transmission systems. For example, such a
transmission system can include first and second
drive shafts (1, 7), first and second gear sets (15, 17)
mounted on the shafts for transferring drive between
the shafts, each gear set including a first gear wheel
(3, 5) mounted on the first shaft for rotation relative
to the first shaft said first gear wheel having a plurality
of drive formations (19, 21), and a second gear (9,
11) mounted on the second shaft for rotation with
the second shaft, selector means (13) for selectively
transferring drive between the first shaft and either
the first or second gear set including a plurality
of engagement members (28, 30) for engaging the
drive formations, and a guard device (2, 102, 202,
302) for preventing the engagement members from
engaging the drive formations in certain predetermined
operational conditions that include certain relative
rotational positions of the drive formations and the

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engagement members.

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